



17414 USPTO

NON-PROVISIONAL
UTILITY PATENT APPLICATION
TRANSMITTAL - 37 CFR 1.53(b)

[] Duplicate
(check, if applicable)

Commissioner for Patents
MAIL STOP PATENT APPLICATION
Alexandria, VA 22313

Attorney Docket No. 053893-5046
First Named Inventor: Hoxie, et al.
Express Mail Label No. EL524558605US
Total Pages of Transmittal Form: 02

17354 U.S.P.T.O.
10/767648
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Transmitted herewith for filing is the non-provisional utility patent application entitled:

**COMPOSITIONS, METHODS AND KITS RELATING TO DELETION MUTATIONS OF
IMMUNODEFICIENCY VIRUS gp120 HYPERVARIABLE REGIONS**

which is:

an Original; or
a Continuation, Divisional, or Continuation-in-part (CIP)
of U.S. Provisional Patent Application No. 60/443,364, filed January 29, 2003.
 This non-provisional patent application is based on Provisional Patent Application
No. _____, filed _____.

Enclosed are:

Specification (including Abstract) and claims: 170 pages
 Application Data Sheet.
 Unexecuted Declaration.
 Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
 50 Sheets of formal drawings.
 Microfiche computer program (Appendix).
 Nucleotide and/or Amino Acid Sequence Submission, including:
 Computer readable copy Paper Copy Verified Statement.
 Under PTO-1595 Cover Sheet, an assignment of the invention
 Name of Assignee: The Trustees of the University of Pennsylvania
 Certified copy(ies) of _____ Application No(s). _____ filed _____ is/are filed:
 herewith or in prior application
 Applicant(s), by its/their undersigned attorney, claim(s) Small Entity Status under 37
C.F.R. §1.27 as an Independent Inventor, or a Small Business Concern, or a
Non-Profit Organization.
 Preliminary Amendment.
 Information Disclosure Statement, PTO-1449.
 Request for Nonpublication of Application Under 35 U.S.C. §122(b)
 Other:

The filing fee is calculated as follows:

			SMALL ENTITY				LARGE ENTITY	
CLAIMS	NO. FILED	NO. EXTRA	BASIC FEE: \$385				BASIC FEE: \$770	
Total	72 -20 =	52	X9	\$ 468	OR	X18	\$	
Independent	17 -3=	14	X43	\$ 602	OR	X86	\$	
[] Multiple Dependent Claims Present			\$145	\$	OR	\$290	\$	
			TOTAL	\$ 1455	OR	TOTAL	\$	

[] The Commissioner is not authorized to charge the filing fee at this time as we elect to defer payment of the entire filing fee until receipt of a Notice to File Missing Parts.

[] A check in the amount of _____ to cover the filing fee is enclosed.

[X] The Commissioner is hereby authorized to charge and/or credit **Deposit Account No. 50-0310 (Billing No. 053893-5046)** as noted below.

[X] Any overpayments or deficiencies in the above-calculated fee.

[X] Filing fee in the amount of \$1455.00 as calculated above.

[X] Any additional fees required under 37 C.F.R. § 1.16 and § 1.17.

[X] In the event that a Petition for Extension of Time is required during the prosecution of this application, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account noted above.

CORRESPONDENCE ADDRESS:

January 29 2004
(Date)

By:

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RMA/rrd
Enclosures

EXPRESS MAIL NO.: EL524558605US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Patent Application of James A. Hoxie <i>et al.</i>	: Group Art Unit: : To Be Assigned
Appln. No.:	To Be Assigned	: Examiner: To Be Assigned
Filed:	Herewith	: : Attorney Docket No.
For:	COMPOSITIONS, METHODS AND KITS RELATING TO DELETION MUTATIONS: OF IMMUNODEFICIENCY VIRUS GP120: HYPERVARIABLE REGIONS	: 053893-5046

TRANSMITTAL OF FORMAL DRAWINGS

Attention Official Draftsperson:

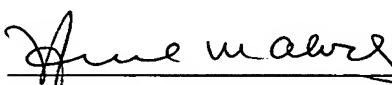
Enclosed is fifty (50) sheets of formal drawing, Figure 1-24F, corresponding to the above identified application. It is respectfully submitted that the enclosed formal drawings are in acceptable form.

Respectfully submitted,

JAMES A. HOXIE *et al.*

January 29, 2004
(Date)

By:


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RMA/QDN *def*

Enclosures: (50 sheets of formal drawings)